

LISTING OF CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A stent delivery system comprising:
 - a first cylindrical member capable of being inserted into a forceps channel of an endoscope and including a through hole having a central axis;
 - a second cylindrical member inserted into the through hole of the first cylindrical member and capable of advancing/retracting with respect to the first cylindrical member, the second cylindrical member including a holding mechanism which holds a relative position of the second cylindrical member with respect to the forceps channel of the endoscope; and
 - a stent which is attached between the first and second cylindrical members in a state where a diameter of the stent is reduced by the first cylindrical member and which expands when the first cylindrical member is removed.
2. (Original) A stent delivery system according to claim 1, wherein the second cylindrical member includes at least one X-ray chip recognized at the time of irradiation with an X-ray and disposed in a position where the stent is charged.
3. (Original) A stent delivery system according to claim 2, wherein the X-ray chip is disposed in a projected state outside a diametric direction with respect to an axis of the second cylindrical member in a state in which the stent is disposed in the second cylindrical member.
4. (Original) A stent delivery system according to claim 3, wherein the holding mechanism includes:
 - a third cylindrical member directly slidable on the first cylindrical member outside the first cylindrical member and fixed to the forceps channel of the endoscope by a friction; and
 - a connection member which connects the third cylindrical member to the second cylindrical member.
5. (Original) A stent delivery system according to claim 3, wherein the holding mechanism includes:

a third cylindrical member directly slidable on the first cylindrical member outside the first cylindrical member and fixed to a forceps cap disposed on a base end of the forceps channel of the endoscope by a friction; and

a connection member which connects the third cylindrical member to the second cylindrical member.

6. (Original) A stent delivery system according to claim 3, wherein the holding mechanism includes:

a holder disposed on the endoscope; and

a fixing tool which connects the holder to the second cylindrical member in a detachably fixed state.

7. (Original) A stent delivery system according to claim 6, wherein the fixing tool includes:

an arm which grasps the holder; and

an arm which grasps the second cylindrical member.

8. (Original) A stent delivery system according to claim 2, wherein static and dynamic frictions between the stent and the outer peripheral surface of the second cylindrical member are larger than the dynamic friction between the stent and the inner peripheral surface of the first cylindrical member.

9. (Original) A stent delivery system according to claim 8, wherein the holding mechanism includes:

a third cylindrical member directly slidable on the first cylindrical member outside the first cylindrical member and fixed to the forceps channel of the endoscope by a friction; and

a connection member which connects the third cylindrical member to the second cylindrical member.

10. (Original) A stent delivery system according to claim 8, wherein the holding mechanism includes:

a third cylindrical member directly slidable on the first cylindrical member outside the first cylindrical member and fixed to a forceps cap disposed on a base end of the forceps channel of the endoscope by a friction; and

a connection member which connects the third cylindrical member to the second cylindrical member.

11. (Original) A stent delivery system according to claim 8, wherein the holding mechanism includes:

a holder disposed on the endoscope; and

a fixing tool which connects the holder to the second cylindrical member in a detachably fixed state.

12. (Original) A stent delivery system according to claim 11, wherein the fixing tool includes:

an arm which grasps the holder; and

an arm which grasps the second cylindrical member.

13. (Original) A stent delivery system according to claim 2, wherein the holding mechanism includes:

a third cylindrical member directly slidable on the first cylindrical member outside the first cylindrical member and fixed to the forceps channel of the endoscope by a friction; and

a connection member which connects the third cylindrical member to the second cylindrical member.

14. (Original) A stent delivery system according to claim 2, wherein the holding mechanism includes:

a third cylindrical member directly slidable on the first cylindrical member outside the first cylindrical member and fixed to a forceps cap disposed on a base end of the forceps channel of the endoscope by a friction; and

a connection member which connects the third cylindrical member to the second cylindrical member.

15. (Original) A stent delivery system according to claim 2, wherein the holding mechanism includes:

- a holder disposed on the endoscope; and
- a fixing tool which connects the holder to the second cylindrical member in a detachably fixed state.

16. (Original) A stent delivery system according to claim 15, wherein the fixing tool includes:

- an arm which grasps the holder; and
- an arm which grasps the second cylindrical member.

17. (Original) A stent delivery system according to claim 1, wherein the holding mechanism includes:

- a third cylindrical member directly slidable on the first cylindrical member outside the first cylindrical member and fixed to the forceps channel of the endoscope by a friction; and
- a connection member which connects the third cylindrical member to the second cylindrical member.

18. (Original) A stent delivery system according to claim 1, wherein the holding mechanism includes:

- a third cylindrical member directly slidable on the first cylindrical member outside the first cylindrical member and fixed to a forceps cap disposed on a base end of the forceps channel of the endoscope by a friction; and
- a connection member which connects the third cylindrical member to the second cylindrical member.

19. (Original) A stent delivery system according to claim 1, wherein the holding mechanism includes:

- a holder disposed on the endoscope; and
- a fixing tool which connects the holder to the second cylindrical member in a detachably fixed state.

20. (Original) A stent delivery system according to claim 19, wherein the fixing tool includes:

- an arm which grasps the holder; and
- an arm which grasps the second cylindrical member.

21. (Original) A stent delivery system according to claim 1, wherein at least the outer peripheral surface of the tip end of the first cylindrical member is coated with a hydrophilic lubrication.

22. (Original) A stent delivery system according to claim 1, wherein the second cylindrical member includes a tip-end chip coated with a hydrophilic lubrication on the tip end.

23. (Original) A stent delivery system comprising:

- a first cylindrical member capable of being inserted into a forceps channel of an endoscope and including a through hole having a central axis;
- a second cylindrical member inserted into the through hole of the first cylindrical member and capable of advancing/retreating with respect to the first cylindrical member, the second cylindrical member including a holding mechanism which holds a relative position of the second cylindrical member with respect to the forceps channel of the endoscope; and
- a stent which is attached between the first and second cylindrical members in a state where a diameter of the stent is reduced by the first cylindrical member and which expands when the first cylindrical member is removed.

24. (Original) A stent delivery system according to claim 23, wherein the inner cylinder includes at least one X-ray chip recognized at the time of irradiation with an X-ray and disposed in a position where the stent is charged.

25. (Original) A stent delivery system according to claim 24, wherein the X-ray chip is disposed in a projected state outside a diametric direction with respect to an axis of the inner cylinder in a state in which the stent is disposed in the inner cylinder.

26. (Original) A stent delivery system according to claim 25, wherein the holding mechanism includes:

a cylindrical member directly slidable on the outer cylinder outside the outer cylinder and fixed to the forceps channel of the endoscope by a friction; and

a connection member which connects the cylindrical member to the inner cylinder.

27. (Original) A stent delivery system according to claim 25, wherein the holding mechanism includes:

a cylindrical member directly slidable on the outer cylinder outside the outer cylinder and fixed to a forceps cap disposed on a base end of the forceps channel of the endoscope by a friction; and

a connection member which connects the cylindrical member to the inner cylinder.

28. (Original) A stent delivery system according to claim 25, wherein the holding mechanism includes:

a holder disposed on the endoscope; and

a fixing tool which connects the holder to the inner cylinder in a detachably fixed state.

29. (Original) A stent delivery system according to claim 28, wherein the fixing tool includes:

an arm which grasps the holder; and

an arm which grasps the inner cylinder.

30. (Original) A stent delivery system according to claim 24, wherein static and dynamic frictions between the stent and the outer peripheral surface of the inner cylinder are larger than the dynamic friction between the stent and the inner peripheral surface of the outer cylinder.

31. (Original) A stent delivery system according to claim 30, wherein the holding mechanism includes:

a cylindrical member directly slidable on the outer cylinder outside the outer cylinder and fixed to the forceps channel of the endoscope by a friction; and
a connection member which connects the cylindrical member to the inner cylinder.

32. (Original) A stent delivery system according to claim 30, wherein the holding mechanism includes:

a cylindrical member directly slidable on the outer cylinder outside the outer cylinder and fixed to a forceps cap disposed on a base end of the forceps channel of the endoscope by a friction; and
a connection member which connects the cylindrical member to the inner cylinder.

33. (Original) A stent delivery system according to claim 30, wherein the holding mechanism includes:

a holder disposed on the endoscope; and
a fixing tool which connects the holder to the inner cylinder in a detachably fixed state.

34. (Original) A stent delivery system according to claim 33, wherein the fixing tool includes:

an arm which grasps the holder; and
an arm which grasps the inner cylinder.

35. (Original) A stent delivery system according to claim 24, wherein the holding mechanism includes:

a cylindrical member directly slidable on the outer cylinder outside the outer cylinder and fixed to the forceps channel of the endoscope by a friction; and
a connection member which connects the cylindrical member to the inner cylinder.

36. (Original) A stent delivery system according to claim 24, wherein the holding mechanism includes:

a cylindrical member directly slidable on the outer cylinder outside the outer cylinder and fixed to a forceps cap disposed on a base end of the forceps channel of the endoscope by a friction; and

a connection member which connects the cylindrical member to the inner cylinder.

37. (Original) A stent delivery system according to claim 24, wherein the holding mechanism includes:

a holder disposed on the endoscope; and

a fixing tool which connects the holder to the inner cylinder in a detachably fixed state.

38. (Original) A stent delivery system according to claim 37, wherein the fixing tool includes:

an arm which grasps the holder; and

an arm which grasps the inner cylinder.

39. (Original) A stent delivery system according to claim 23, wherein the holding mechanism includes:

a cylindrical member directly slidable on the outer cylinder outside the outer cylinder and fixed to the forceps channel of the endoscope by a friction; and

a connection member which connects the cylindrical member to the inner cylinder.

40. (Original) A stent delivery system according to claim 23, wherein the holding mechanism includes:

a cylindrical member directly slidable on the outer cylinder outside the outer cylinder and fixed to a forceps cap disposed on a base end of the forceps channel of the endoscope by a friction; and

a connection member which connects the cylindrical member to the inner cylinder.

41. (Original) A stent delivery system according to claim 23, wherein the holding mechanism includes:

a holder disposed on the endoscope; and

a fixing tool which connects the holder to the inner cylinder in a detachably fixed state.

42. (Original) A stent delivery system according to claim 41, wherein the fixing tool includes:

- an arm which grasps the holder; and
- an arm which grasps the inner cylinder.

43. (Original) A stent delivery system according to claim 23, wherein at least the outer peripheral surface of the tip end of the outer cylinder is coated with a hydrophilic lubrication.

44. (Original) A stent delivery system according to claim 23, wherein the inner cylinder includes a tip-end chip coated with a hydrophilic lubrication on the tip end.

45. (Currently Amended) An indwelling method for a stent using a stent delivery system as set forth in claim 1, comprising the steps of:

introducing the [[a]] first cylindrical member and the [[a]] second cylindrical member inserted inside the first cylindrical member to a target portion through the [[a]] forceps channel of the [[an]] endoscope while regulating expansion of the stent, which is a self-expansion type stent, charged in the second cylindrical member by the first cylindrical member;

using the [[a]] holding mechanism to hold the second cylindrical member with respect to the forceps channel;

pulling the first cylindrical member out of the second cylindrical member, and expanding the stent to indwell the stent in the target portion; and

pulling the first and second cylindrical members out of the forceps channel while releasing a state of the first cylindrical member held by [[the]] friction.

46. (Currently Amended) An indwelling method for a stent using a stent delivery system as set forth in claim 1, comprising the steps of:

introducing the [[a]] first cylindrical member and the [[a]] second cylindrical member inserted inside the first cylindrical member to a target portion through the [[a]] forceps

channel of the [[an]] endoscope while regulating expansion of the stent, which is a self-expansion type stent, charged in the second cylindrical member by the first cylindrical member;

fixing a third cylindrical member operating together with the second cylindrical member to at least one of an inner wall of the [[a]] forceps channel and a forceps cap by [[a]] friction;

pulling the first cylindrical member out of the second cylindrical member, and expanding the stent to indwell the stent in the target portion; and

pulling the first and second cylindrical members out of the forceps channel while releasing the fixing of the first cylindrical member by the friction.

47. (Currently Amended) An indwelling method for a stent using a stent delivery system as set forth in claim 1, comprising the steps of:

introducing the [[a]] first cylindrical member and the [[a]] second cylindrical member inserted inside the first cylindrical member to a target portion through the [[a]] forceps channel of the [[an]] endoscope while regulating expansion of the stent, which is a self-expansion type stent, charged in the second cylindrical member by the first cylindrical member;

holding a target portion between the holding mechanism ~~a holder~~ disposed on the endoscope and the second cylindrical member to regulate the movement of the second cylindrical member;

pulling the first cylindrical member out of the second cylindrical member, and expanding the stent to indwell the stent in the target portion; and

releasing the regulation of the second cylindrical member to pull the second cylindrical member together with the first cylindrical member from the forceps channel.

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